PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

Applicant's or agent's file reference 77840-A-PCT/JPW/BB	FOR FURTHER ACTION as well	see Form PCT/ISA/220 as, where applicable, item 5 below.		
International application No. PCT/US 08/05564	International filing date (day/month/year) 30 April 2008 (30.04.2008)	(Earliest) Priority Date (day month year) 19 July 2007 (19.07.2007)		
Applicant PROGENICS PHARMACEUTICALS, INC.				
This international search report has bee according to Article 18. A copy is being	en prepared by this International Searching A g transmitted to the International Bureau.	uthority and is transmitted to the applicant		
This international search report consists It is also accompanied by a	of a total of 3 sheets. copy of each prior art document cited in this i	report.		
1. Basis of the report				
a. With regard to the language, the	international search was carried out on the ba	sis of:		
the international application in the language in which it was filed.				
a translation of the international application into which is the language of a translation furnished for the purposes of international search (Rules 12.3(a) and 23.1(b)).				
ramonized by or notified to	port has been established taking into accounthis Authority under Rule 91 (Rule 43.6bis(a)).		
(de and/or amino acid sequence disclosed in (he international application, see Box No. I.		
2. Certain claims were found unsearchable (see Box No. II).				
3. Unity of invention is facking (see Box No. III).				
4. With regard to the title,				
the text is approved as submitted by the applicant.				
the text has been established by this Authority to read as follows:				
5. With regard to the abstract,				
the text is approved as submit	ited by the applicant.			
the text has been established.	according to Rule 38.2(b), by this Authority a he date of mailing of this international search r	s it appears in Box No. IV. The applicant cport, submit comments to this Authority.		
6. With regard to the drawings,				
a. the figure of the drawings to be published with the abstract is Figure No.				
as suggested by the applicant.				
as selected by this Authority, because the applicant failed to suggest a figure.				
	ority, because this figure better characterizes the			
b. Inone of the figures is to be published with the abstract.				

INTERNATIONAL SEARCH REPORT

International application No. PCT/US 08/05564

Box No. 11 Ob	servations where certain claims were found unsearchable (Continuation of item 2 of first sheet)
This international s	earch report has not been established in respect of certain claims under Article 17(2)(a) for the following reasons:
I Claims N because t	os.: hey relate to subject matter not required to be searched by this Authority, namely:
2. Claims N because to	os.; hey relate to parts of the international application that do not comply with the prescribed requirements to such ar t no meaningful international search can be carried out, specifically:
because th	ns., 23, 29-39, 121-122 and 126 necessary are dependent claims and are not drafted in accordance with the second and third sentences of Rule 6.4(a).
Box No. III Obs	ervations where unity of invention is lacking (Continuation of item 3 of first sheet)
This International Se	earching Authority found multiple inventions in this international application, as follows:
	···
1. As all requelaims.	ired additional search fees were timely paid by the applicant, this international search report covers all searchable
2. As all search additional f	hable claims could be searched without effort justifying additional fees, this Authority did not invite payment of ees.
3. As only son only those o	ne of the required additional search fees were timely paid by the applicant, this international search report covers claims for which fees were paid, specifically claims Nos.:
4. No required restricted to	additional search fees were timely paid by the applicant. Consequently, this international search report is the invention first mentioned in the claims; it is covered by claims Nos.:
Remark on Protest	The additional search fees were accompanied by the applicant's protest and, where applicable, the payment of a protest fee. The additional search fees were accompanied by the applicant's protest but the applicable protest fee was not paid within the time limit specified in the invitation. No protest accompanied the payment of additional search fees.

INTERNATIONAL SEARCH REPORT

International application No.
PCT/US 08/05564

A. CLASSIFICATION OF SUBJECT MATTER IPC(8) - G01N 33/53 (2008.04) USPC - 435/7.1 According to International Patent Classification (IPC) or to both national classification and IPC					
B. FIELDS SEARCHED					
Minimum documentation searched (classification system followed by classification symbols) USPC - 435/7.1					
Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched USPC - 435/6					
Flectronic data base consulted during the international search (name of data base and, where practicable, search terms used) WEST, Google Scholar: "CCR5 receptor" antagonist HIV log "maintaining a reduced viral load", "CCR5 receptor" antagonist HIV log "maintaining reduced viral load", "CCR5 receptor" antagonist HIV "maintaining reduced viral load", "CCR5 receptor" antagonist HIV "maintaining a reduced viral load"					
C. DOCU	MENTS CONSIDERED TO BE RELEVANT				
Category*	Citation of document, with indication, where	e appropriate, of the relevant passages	Relevant to claim No.		
X - Y	US 2007/0026441 A1 (OLSON et al) 1 Feb 2007 (01.02.2007); para [0009], [0027], [0031], [0046], [0047], [0074], [0075], [0094], [0095], [0097]-[0101], [0104]-[0105], [0131], [0140], [0217], [0269], [0293]; Fig 5		40-46, 49-60, 95-104, 106,123-125		
			1-22, 24-28, 47, 48, 61- 94, 105, 107-120		
Y	NELSON et al. Efficacy and Safety of Maraviroc plus Optimized Background Therapy in Viremic, ART-experienced Patients Infected with CCR5-tropic HIV-1 in Europe, Australia, and North America: 24-Week Results. 14th Annual Conference on Retroviruses and Opportunistic Infections 28 Feb 2007. Abstract #104aLB. Downloaded from the Internet on 3 Aug 2008: http://www.retroconference.org/2007/Abstracts/30636.htm		1-22, 24-28, 47, 48, 81- 94, 107-118		
Y	US 2006/0154857 A1 (REDFIELD et al) 13 Jul 2006 (13.07.2006); para [0019], [0021], [0028]- [0030], [0070], [0072], [0073], [0095]		61-80, 94, 119, 120		
Y	US 2007/0031408 A1 (OLSON et al) 8 Feb 2007 (08	3.02.2007), para [0173]-[0175], [0007]	27, 28, 105		
Further	downments are listed in the consequence of Day C		· · · · · · · · · · · · · · · · · · ·		
Further documents are listed in the continuation of Box C. Special categories of cited documents:					
'A" document defining the general state of the art which is not considered to be of particular relevance lobe of particular relevance later adocument published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention					
E" carlier application or patent but published on or after the international filing date "X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive tep when the document is taken alone.					
cited to establish the publication date of another citation or other "Y" document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is					
means became the terring to all of a disclosure, use, exhibition or other means being obvious to a person skilled in the art. P" document published prior to the international filing date but later than "B" to be a person skilled in the art.					
the priority date claimed acte of the actual completion of the international search August 2008 (03.08.2008) Date of mailing of the international search report 15 A116 2008					
ame and mailing address of the ISA/US all Stop PCT, Attn: ISA/US, Commissioner for Patents		Authorized officer:			
O. Box 1450, Alexandria, Virginia 22313-1450		Lee W. Young PCT Helpdesk: 571-272-4300			
	simile No. 571-273-3201 PCT GSP: 571-272-774				